



Clark County Building Department

4701 West Russell Road ▪ Las Vegas NV 89118

(702) 455-3000 ▪ Fax (702) 455-5810

Division:	Building Division	Code Interpretation	BD-CI-005
Subject:	PROTECTION BETWEEN EXTERIOR CURTAIN WALLS AND FLOOR/CEILING ASSEMBLIES	Effective Date:	04/30/2008
Code:	IBC 714.4, 707.5, 709.4	Revised Date:	08/15/2012

A. CODE REQUIREMENT

IBC Section 714.4 states “Where fire-resistance-rated floor or floor/ceiling assemblies are required, voids created at the intersection of the exterior curtain wall assemblies and such floor assemblies shall be sealed with an approved system to prevent the interior spread of fire.” Such systems shall be securely installed and tested in accordance with ASTM E 2307 to prevent the passage of flame for the time period at least equal to the *fire-resistance rating* of the floor assembly and prevent the passage of heat and hot gases sufficient to ignite cotton waste. Height and fire-resistance requirements for curtain wall spandrels shall comply with Section 705.8.5.” (see attached diagram)

B. INTERPRETATION

The intent of this code section, as confirmed by a Senior Staff Engineer with the International Code Council, applies only to the void space located between the edge of a floor slab or edge of a floor assembly and the interior surface of the mullions, used in exterior curtain wall assemblies. The void spaces contained within any vertical or horizontal mullion of an exterior curtain wall assembly are NOT required to be sealed.

Further, fire barriers and fire partitions are NOT required to extend horizontally to the exterior glazing surface of an exterior curtain wall assembly. Fire barriers and fire partitions may terminate at the interior surface of the mullions, used in exterior curtain wall assemblies. A fire barrier is only required to meet the continuity requirements of Section 707.5 and a fire partition is only required to meet the continuity requirements of Section 709.4.

Curtain walls and the glass within glazed curtain walls must be secured to the structural building elements, per the Clark County approved structural and architectural plans and details.

Revision History:

POLICY #	TITLE	Effective Date	Revised	Reviewed
BD-CI-005	Protection Between Exterior Curtain Walls And Floor/Ceiling Assemblies	April 30, 2008		August 15, 2008
BD-CI-005	Protection Between Exterior Curtain Walls And Floor/Ceiling Assemblies		August 15, 2012	

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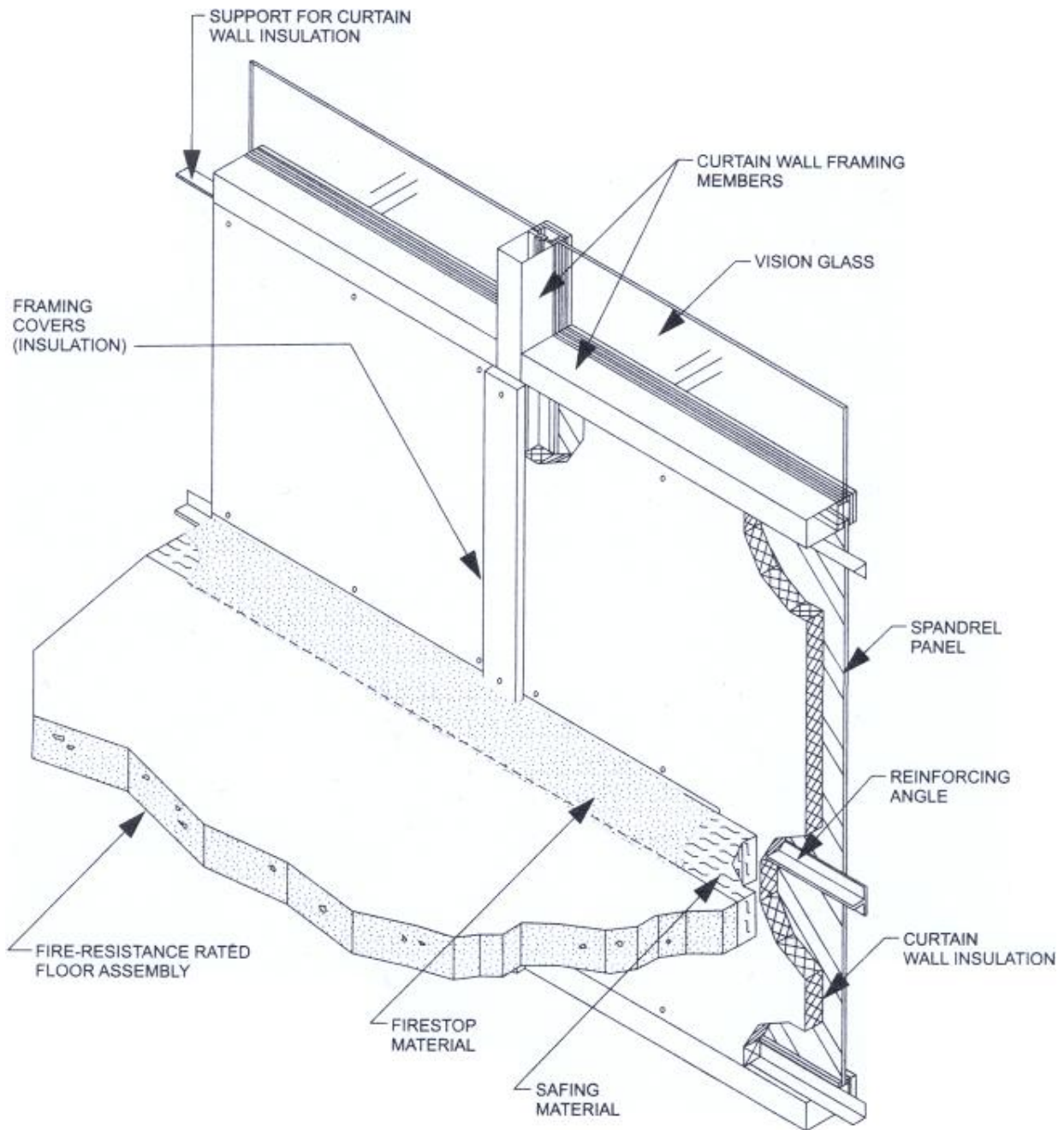


Figure 713.4
EXTERIOR CURTAIN WALL FLOOR INTERSECTION

Approved by:
Ronald L. Lynn, Director

Concurred by:
Gregory J. Franklin, Assistant Director